
ACRONYMS AND ABBREVIATIONS

ADF&G: Alaska Department of Fish and Game

ANWAP: Arctic Nuclear Waste Assessment Program

AORS: Atlantic Ocean and related seas into a single ocean compartment (denoted)

BCF: Bioconcentration factor

Bq: Becquerel

BEIR IV, V: Biological Effects of Ionizing Radiation Committees IV and V

BIORAD: An ecological model

CCR: Control or compensation rod

cgs: Centimeter, gram, second

CM: Compartmental model

S: Collective Dose Equivalent

CRITR: An ecological model

Ci: Curie

DCF: Dose-conversion factor

DNA: Deoxyribonucleic acid

(H_E): Effective Dose Equivalent

EXTREM III: An ecological model

F: Furfurol

FSU: Former Soviet Union

Gy: Gray

GSD: Geometric standard deviation

HLW: High-level (radioactive) waste

IAEA: International Atomic Energy Agency

IASAP: International Arctic Seas Assessment Program

IPPE: Institute of Physics and Power Engineering

J: Joule

K_d : Sediment distribution coefficient, reflecting how strongly nuclides will be associated with sediment, and their availability to the water column (higher values show stronger sediment interaction)

$LD_{50/30}$: Lethal dose killing 50% in 30 days

LLW: Low-level (radioactive) waste

LMR: Liquid metal reactor

LRW: Liquid radioactive waste

MW: Megawatt

NOELs: No-observable-effects levels

NOGAPS: Naval Operational Global Atmospheric Prediction System

OCM: Ocean-circulation model

ONR: Office of Naval Research

PFIG: Term for a specific computer program

PSDD: Point-Source Dose Distribution

PWR: Pressurized water reactor

RAIG: Risk Assessment and Integration Group

RC: Reactor compartment

Rem: Roentgen equivalent man

RPV: Reactor pressure vessel

RRCKI: Russian Research Center "Kurchatov Institute"

RTG: Radioisotope thermoelectric generator

RW: Radioactive waste

SG: Steam generator

SGI: Steam-generating installation

SI Units Prefixes:

a (atto)	10^{-18}	k (kilo)	10^3
f (femto)	10^{-15}	M (mega)	10^6
p (pico)	10^{-12}	G (giga)	10^9
n (nano)	10^{-9}	T (tera)	10^{12}
m (micro)	10^{-6}	P (peta)	10^{15}
m (milli)	10^{-3}	E (exa)	10^{18}

For example, 10^{12} Bq of radioactivity can be expressed as 1 TBq or one tera becquerel.

SIAE: State Institute of Applied Ecology

Sv: Sievert

SNF: Spent nuclear fuel

SRW: Solid radioactive waste

SS: Stainless steel

STWG: Source-Term Working Group

T: Tissue

TFC: Technical fuel channel

TBq: Terabequerel ($1 \text{ Bq} \times 10^{12}$)

UNSCEAR: United Nations Scientific Committee on the Effects of Atomic Radiation

W_T : Weighting Factors